REMARKS

This paper is being provided in response to the Final Office Action dated December 9, 2009, for the above-referenced application. Applicants filed a Notice of Appeal on May 7, 2010 in this application. However, in the interests of expeditiously furthering prosecution, Applicants submit the following remarks and respectfully request reconsideration of the rejection prior to Applicants' submission of an Appeal Brief.

The rejection of claims 2-6 and 9-26 under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 7,310,628 to Sugimoto (hereinafter "Sugimoto") is hereby traversed and reconsideration is respectfully requested.

Independent claim 4 recites a search device providing a search results to a requesting terminal unit, the search results including at least one address corresponding to content provided by a content providing server capable of providing content, the data provided by the content providing server corresponding to information showing a capacity of the requesting terminal unit included in an information request command along with a key word from the requesting terminal unit. The search device includes a search server that provides a crawling means for searching predetermined addresses corresponding to the content by using the information showing the capacity of the requesting terminal unit according to a typical model of the requesting terminal unit in a model group, the model group being set according to the capacity, a search index holding the predetermined addresses corresponding to the content obtained by the crawling means in correspondence to an identifier that identifies the requesting terminal unit in the model group at a time of crawling, a searching means for gobbling down the predetermined addresses in

the search index which correspond to content corresponding to the key word and the identifier included in the information request command from the requesting terminal unit, and a search result generating means for generating a search result including the predetermined addresses gobbled down by the searching means. Claims 2, 3, 9 and 10 depend, directly or indirectly, from independent claim 4.

Independent claim 5 recites an information providing system, that includes a content providing server capable of providing content, the content provided by the content providing server including data corresponding to information showing a capacity of a terminal unit included in an information request command and a search device, coupled to the content providing server, that provides a crawling means for searching at least one address of the content by using the information showing the capacity of the terminal unit according to a typical model of the terminal unit in a model group, the model group being set according to the capacity a search index holding the at least one address of the content obtained by the crawling means which correspond to content corresponding to an identifier that identifies the terminal unit in the model group at a time of crawling, and a searching means for gobbling down the at least one address of the content in the search index in correspondence to the identifier included in the information request command from the terminal unit.

Independent claim 6 recites an information searching system, that includes a content providing server capable of providing content, the content provided by the content providing server including data corresponding to information showing a capacity of a terminal unit included in an information request command and a key word; and a search device, coupled to the

content providing server, that provides a crawling means for searching at least one predetermined address corresponding to the content by using the information showing the capacity of a typical model of the terminal unit in a model group, the model group being set according to the capacity, a search index holding the at least one predetermined address of the content obtained by the crawling means in correspondence to a an identifier that identifies the terminal unit in the model group at a time of crawling, a searching means for gobbling down the at least one predetermined address in the search index which correspond to content corresponding to the key word and the identifier included in the information request command from the terminal unit, and a search result generating means for generating a search result including the predetermined addresses gobbled down by the searching means. Claims 13 and 14 depend from independent claim 6.

Independent claim 15 recites a method for providing a search service. The method includes providing a server that includes data, receiving, at the server, a request generated for a requesting device corresponding to the data in the server, wherein the request includes capacity information of the requesting device and requested content, searching the data in the server to provide search results according to the capacity information of the requesting device and according to the requested content, and sending the search results to the requesting device in response to the request, wherein the search results correspond to the capacity information of the requesting device and the requested content. Claims 16, 17 and 18 depend from independent claim 15.

Independent claim 19 recites a method for requesting data from a server. The method includes sending a request generated for a requesting device to the server, where the request corresponds to data in the server, and where the request includes capacity information of the requesting device and requested content and receiving, at the requesting device, search results from the server, wherein the search results correspond to the capacity information of the requesting device and to the requested content. Claims 20, 21 and 22 depend from independent claim 19.

Independent claim 23 recites an information providing server group that includes at least one information providing server that includes a storage portion that stores information corresponding to a request generated for a requesting device, the request including capacity information of the requesting device and requested content and a content server, coupled to the storage portion, that provides search results to the requesting device in response to the request, where the search results vary according to the capacity information of the requesting device and according to the requested content. Claims 24, 25 and 26 depend from independent claim 23.

Sugimoto discloses a content searching/distribution device and method. A content retrieving section searches a database based upon input retrieval keys and outputs a retrieval list to a retrieval result list editing section. A terminal ability information acquiring section acquires information about processing ability of the terminal from the user information input to the user information inputting section and the retrieval result list edition section edits the retrieval result list from the content retrieving section based upon its processing ability information and an output content editing section edits the contents based upon the terminal ability information.

The presently-claimed invention is directed to content search. Use cases might include searching a database for a ringtone or, maybe, running a Google search to find some requested content to render on a receiving device (cell phone). The presently-claimed invention addresses the problem that all content available through a general search may not be suitable for rendering on a particular device due to device capabilities (e.g. screen size, audio capabilities etc). The presently-claimed invention solves this problem by limiting the search result, in connection with the actual obtaining of search results, based on device capabilities.

Applicants specifically recites that content provided by the content providing server corresponding to information showing a capacity of the requesting terminal unit. Applicants' recited search server includes a crawling means for searching predetermined addresses corresponding to said content by using the information showing the capacity of the requesting terminal unit. A search index holds the predetermined-addresses corresponding to the content obtained by said crawling means in correspondence to an identifier that identifies the requesting terminal unit in the model group at a time of crawling. A searching means gobbles down the predetermined addresses in said search index which correspond to content corresponding to the key word and the identifier included in the information request command from the requesting terminal unit. Thus, Applicants recited claims provide for searching content with is suitable for the device, according to capacity information thereof, and then a search of key words is performed within the resulting search results obtained by the above-noted crawling means.

In contrast, Sugimoto's system operates the other way around than is recited by Applicants. Sugimoto retrieves all content that corresponds to key words, creates a retrieval

result list, and *then* edit/filters the list according to terminal capabilities. Applicant refers, in particular, to Figure 4, and discussion thereof in col. 6, line 62 to col. 9, line 9, and particularly col. 7, lines 6-25 of Sugimoto. Applicant explicitly refers to the last paragraph of col. 8 of Sugimoto that makes it clear that, in Sugimoto, the content results list obtained from key word searching of database may contain content that is not able to be rendered on the device: "[I]f the output content editing section 13 determines that the content read from the database B can not be received and displayed or otherwise output on the terminal (Step ST21 "No"), it edits the content read from the database B by transforming or otherwise processing the content into a form that can be received and displayed or can otherwise be output on the terminal D (Step ST22), and then outputs the edited content to the content delivering section 14."

A general content search component, like that described in Sugimoto, returns *all* content that meets the requested content search criteria (e.g., contains a particular key word) whether or not the content can be rendered on the receiving device. The device of Sugimoto then filters the search results based on the capabilities of the receiving device and outputs the filtered search results. For example, a cell phone user could search for ring tones meeting a particular criteria (e.g., Michael Jackson songs). In the case of Sugimoto, the device would initially receive messages for resulting ring tones that cannot be rendered on the user's cell phone. For example, the device could receive two hundred messages corresponding to searched ring tones and then limit the search results to ring tones that are compatible with the user's cell phone. On the other hand, with the present claimed invention, the search results from the web crawling correspond only to ring tones capable of being played on the user's cell phone. Thus, unlike Sugimoto, using the present invention results in the searching of only appropriate content for the user's cell phone,

thus lowering the processing overhead on the server and not performing unnecessary processing to search for content that cannot be rendered on a user's cell phone.

Thus, Applicants' presently-claimed invention differs from Sugimoto's disclosure in that the initial search identifies content which is suitable for rendering on the device, thereby advantageously reducing processing time and communications across a network. That is, unlike Sugimoto's device that, for each search, scans the whole database (e.g., the Internet) for search keywords and then limits the results by device suitability, Applicants' presently-claimed invention provides a search result that initially creates a result subset that only includes content suitable for the device and then allows for searching that subset for particular keywords. An advantage to Applicants' recited claims is that once the initial search has been performed, the user can run multiple key word searches on the filtered data without extended searches on the whole database across the network. Specifically, Applicants submit the Sugimoto does not teach or fairly suggest at least the features of: a crawling means for searching predetermined addresses corresponding to said content by using the information showing the capacity of the requesting terminal unit; a search index for holding the predetermined–addresses corresponding to the content obtained by said crawling means in correspondence to an identifier that identifies the requesting terminal unit in the model group at a time of crawling; a searching means for gobbling down the predetermined addresses in said search index which correspond to content corresponding to the key word and the identifier included in the information request command from the requesting terminal unit, as recited by Applicants.

The above-noted arguments are discussed principally in connection with independent claim 4. Applicants submit that the other independent claims, and claims depending therefrom, contain similar features to those discussed above and respectfully submit that the above-noted remarks apply equally to these claims.

Accordingly, Applicants respectfully submit that Sugimoto does not teach or fairly suggest at least the above-noted features as claimed by Applicants. In view of the above, for reasons set forth above, Applicants respectfully request that this rejection be reconsidered and withdrawn.

Based on the above, Applicants respectfully request that the Examiner reconsider and withdraw all outstanding rejections and objections. Favorable consideration and allowance are earnestly solicited. Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at 508-898-8603.

Respectfully submitted,
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